

IN THE SPECIFICATION:

Please amend the paragraph beginning at page 6, line 20 and ending at page 7, line 7, as follows.

--Here, magnetic resistance  $R_g(x)$  of the air gaps between the comb teeth is given:

$$R_g(x) = \frac{d}{\mu_0 t n (x + x_0)} \quad (3)$$

, where  $\mu_0$  is vacuum magnetic permeability;  $d$ , distance of the air gap;  $t$ , thickness of the comb teeth;  $n$ , the number of gaps;  $x$ , displacement of the movable magnetic pole; and  $x_0$ , initial overlap length. Potential energy  $W$  of the entire magnetic circuit and generated force  $F$  in the air gaps are expressed:

$$W = -\frac{1}{2} (R + 2R_g(x))^{-1} (Ni)^2 = -\frac{(Ni)^2}{2} \left( R + \frac{2d}{\mu_0 t n (x + x_0)} \right)^{-1} \quad (4)--$$